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\* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS	2	DEC 01	ChemPort single article sales feature unavailable
NEWS	3	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS	4	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS	5	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS	6	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS	7	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS	8	FEB 10	COMPENDEX reloaded and enhanced
NEWS	9	FEB 11	WTEXTILES reloaded and enhanced
NEWS	10	FEB 19	New patent-examiner citations in 300,000 CA/CAPLUS patent records provide insights into related prior art
NEWS	11	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS	12	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS	13	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS	14	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS	15	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS	16	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS	17	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS	18	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS	19	MAR 11	ESBIOBASE reloaded and enhanced
NEWS	20	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS	21	MAR 23	CA/CAPLUS enhanced with more than 250,000 patent equivalents from China
NEWS	22	MAR 30	IMSPATENTS reloaded and enhanced
NEWS	23	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS EXPRESS	JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

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FILE 'HOME' ENTERED AT 16:55:29 ON 06 APR 2009

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SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'REGISTRY' ENTERED AT 16:55:43 ON 06 APR 2009

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DICTIONARY FILE UPDATES: 5 APR 2009 HIGHEST RN 1132636-28-2

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<http://www.cas.org/support/stngen/stndoc/properties.html>

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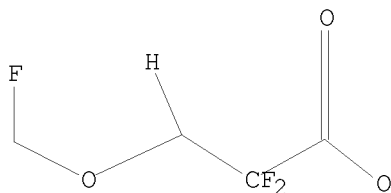
Uploading C:\Program Files\Stnexp\Queries\10562730-cl1-rce.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 16:56:04 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 244 TO ITERATE

100.0% PROCESSED 244 ITERATIONS 4 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 3943 TO 5817  
PROJECTED ANSWERS: 4 TO 199

L2 4 SEA SSS SAM L1

=> s l1 full  
FULL SEARCH INITIATED 16:56:08 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 4619 TO ITERATE

100.0% PROCESSED 4619 ITERATIONS 47 ANSWERS  
SEARCH TIME: 00.00.01

L3 47 SEA SSS FUL L1

=> file caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 185.88 186.10

FILE 'CAPLUS' ENTERED AT 16:56:12 ON 06 APR 2009  
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FILE COVERS 1907 - 6 Apr 2009 VOL 150 ISS 15  
FILE LAST UPDATED: 5 Apr 2009 (20090405/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

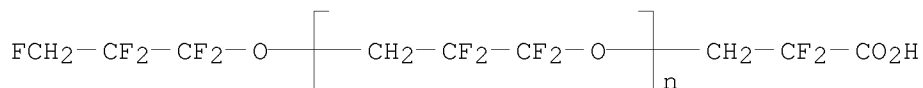
=> s l3  
L4 16 L3  
=> s l4 not py > 2005  
4832161 PY > 2005  
L5 8 L4 NOT PY > 2005

=> d l5 ibib abs hitstr 1-  
YOU HAVE REQUESTED DATA FROM 8 ANSWERS - CONTINUE? Y/(N):y

L5 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1998:227021 CAPLUS  
DOCUMENT NUMBER: 128:323921  
ORIGINAL REFERENCE NO.: 128:64171a,64174a  
TITLE: Lubricants and magnetic recording media using them  
INVENTOR(S): Furuya, Takahiro; Sasamoto, Sayaka  
PATENT ASSIGNEE(S): Hitachi Maxell, Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
	JP 10095991	A	19980414	JP 1996-254260	19960926
PRIORITY APPLN. INFO.:				JP 1996-254260	19960926
AB	Lubricants for magnetic recording media are compds. having F-containing polyether blocks of (CH <sub>2</sub> CF <sub>2</sub> CF <sub>2</sub> O) <sub>l</sub> and (CHFCF <sub>2</sub> CF <sub>2</sub> O) <sub>m</sub> , where l or m ≥1 and 2 ≤ l+m ≤200, and at least one terminal end having ammonium salt group. The lubricants provide improved lubricity and durability of magnetic recording media.				
IT	206852-52-0P 206852-53-1P 206852-54-2P 206852-55-3P 206852-56-4P 206852-57-5P 206852-60-0P 206852-62-2P 206852-65-5P 206852-69-9P 206852-70-2P 206852-72-4P RL: IMF (Industrial manufacture); NUU (Other use, unclassified); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (lubricant; lubricants and magnetic recording media using them)				
RN	206852-52-0 CAPLUS				
CN	1-Octadecanamine, compd. with α-(2-carboxy-2,2-difluoroethyl)-ω-(1,1,2,2,3-pentafluoropropoxy)poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)] (1:1) (9CI) (CA INDEX NAME)				
CM	1				
CRN	104677-65-8				
CMF	(C3 H2 F4 O) <sub>n</sub> C6 H5 F7 O3				
CCI	PMS				



CM 2  
CRN 124-30-1  
CMF C18 H39 N

H<sub>2</sub>N-(CH<sub>2</sub>)<sub>17</sub>-Me

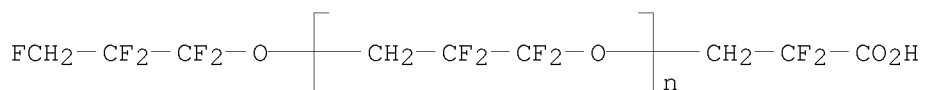
RN 206852-53-1 CAPLUS  
CN 9-Octadecen-1-amine, (9Z)-, compd. with α-(2-carboxy-2,2-difluoroethyl)-ω-(1,1,2,2,3-pentafluoropropoxy)poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)] (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 104677-65-8

CMF (C3 H2 F4 O)<sub>n</sub> C6 H5 F7 O3

CCI PMS

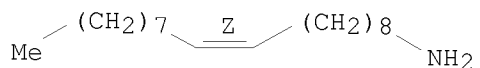


CM 2

CRN 112-90-3

CMF C18 H37 N

Double bond geometry as shown.



RN 206852-54-2 CAPLUS

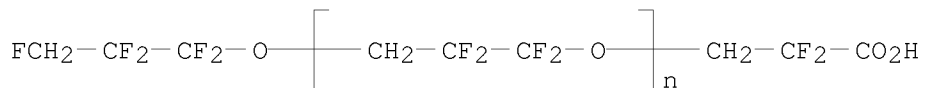
CN 1-Octanamine, compd. with  $\alpha$ -(2-carboxy-2,2-difluoroethyl)- $\omega$ -(1,1,2,2,3-pentafluoropropoxy)poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)] (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 104677-65-8

CMF (C3 H2 F4 O)<sub>n</sub> C6 H5 F7 O3

CCI PMS



CM 2

CRN 111-86-4

CMF C8 H19 N



RN 206852-55-3 CAPLUS

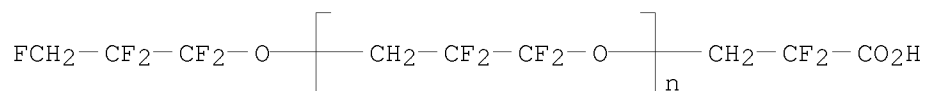
CN Poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)],  $\alpha$ -(2-carboxy-2,2-difluoroethyl)- $\omega$ -(1,1,2,2,3-pentafluoropropoxy)-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 104677-65-8

CMF (C3 H2 F4 O)<sub>n</sub> C6 H5 F7 O3

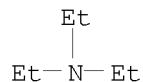
CCI PMS



CM 2

CRN 121-44-8

CMF C6 H15 N



RN 206852-56-4 CAPLUS

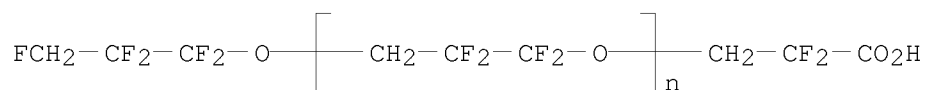
CN 1-Octanamine, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, compd. with  
 $\alpha$ -(2-carboxy-2,2-difluoroethyl)- $\omega$ -(1,1,2,2,3-pentafluoropropoxy)poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)] (1:1)  
 (9CI) (CA INDEX NAME)

CM 1

CRN 104677-65-8

CMF (C3 H2 F4 O)<sub>n</sub> C6 H5 F7 O3

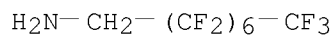
CCI PMS



CM 2

CRN 307-29-9

CMF C8 H4 F15 N



RN 206852-57-5 CAPLUS

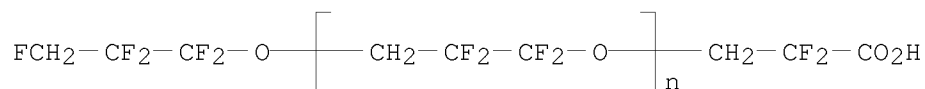
CN Benzenamine, 4-phenoxy-, compd. with  
 $\alpha$ -(2-carboxy-2,2-difluoroethyl)- $\omega$ -(1,1,2,2,3-pentafluoropropoxy)poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)] (1:1)  
 (9CI) (CA INDEX NAME)

CM 1

CRN 104677-65-8

CMF (C3 H2 F4 O)<sub>n</sub> C6 H5 F7 O3

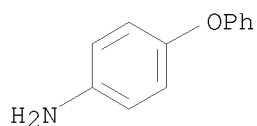
CCI PMS



CM 2

CRN 139-59-3

CMF C12 H11 N O



RN 206852-60-0 CAPLUS

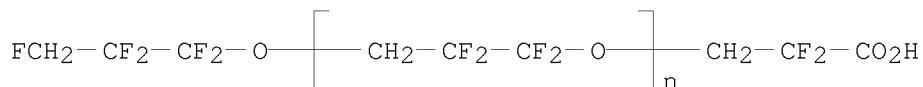
CN 1,3-Benzodioxole-5-methanamine, compd. with  
 $\alpha$ -(2-carboxy-2,2-difluoroethyl)- $\omega$ -(1,1,2,2,3-  
pentafluoropropoxy)poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)] (1:1)  
(9CI) (CA INDEX NAME)

CM 1

CRN 104677-65-8

CMF (C3 H2 F4 O)<sub>n</sub> C6 H5 F7 O3

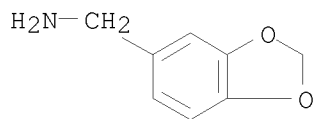
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CM 2

CRN 2620-50-0

CMF C8 H9 N O2



RN 206852-62-2 CAPLUS

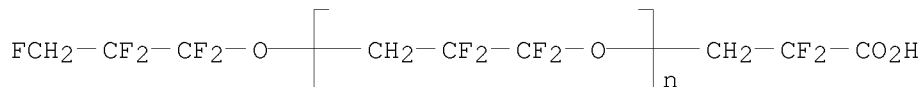
CN Benzenamine, 4-methoxy-, compd. with  
 $\alpha$ -(2-carboxy-2,2-difluoroethyl)- $\omega$ -(1,1,2,2,3-  
pentafluoropropoxy)poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)] (1:1)  
(9CI) (CA INDEX NAME)

CM 1

CRN 104677-65-8

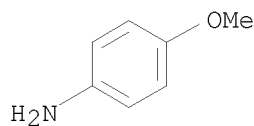
CMF (C3 H2 F4 O)<sub>n</sub> C6 H5 F7 O3

CCI PMS



CM 2

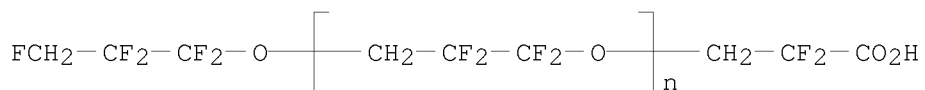
CRN 104-94-9  
CMF C7 H9 N O



RN 206852-65-5 CAPLUS  
CN Benzenamine, 4-(trifluoromethyl)-, compd. with  
 $\alpha$ -(2-carboxy-2,2-difluoroethyl)- $\omega$ -(1,1,2,2,3-  
pentafluoropropoxy)poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)] (1:1)  
(9CI) (CA INDEX NAME)

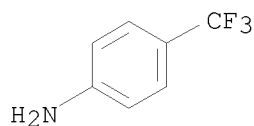
CM 1

CRN 104677-65-8  
CMF (C3 H2 F4 O)<sub>n</sub> C6 H5 F7 O3  
CCI PMS



CM 2

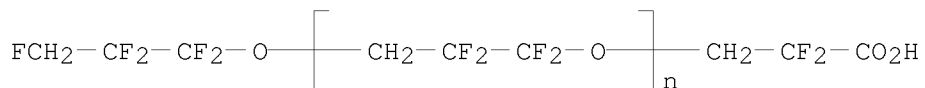
CRN 455-14-1  
CMF C7 H6 F3 N



RN 206852-69-9 CAPLUS  
CN [1,1'-Biphenyl]-4-amine, compd. with  
 $\alpha$ -(2-carboxy-2,2-difluoroethyl)- $\omega$ -(1,1,2,2,3-  
pentafluoropropoxy)poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)] (1:1)  
(9CI) (CA INDEX NAME)

CM 1

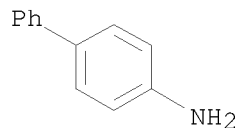
CRN 104677-65-8  
CMF (C3 H2 F4 O)<sub>n</sub> C6 H5 F7 O3  
CCI PMS



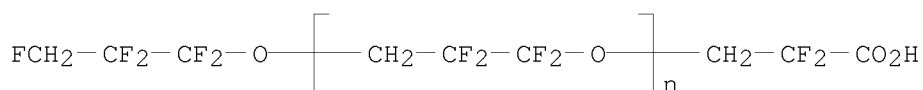
CM 2



CRN 92-67-1  
CMF C12 H11 N



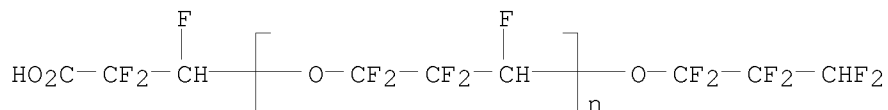
RN 206852-70-2 CAPLUS  
CN Poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)],  
 $\alpha$ -(2-carboxy-2,2-difluoroethyl)- $\omega$ -(1,1,2,2,3-  
pentafluoropropoxy)-, ammonium salt (9CI) (CA INDEX NAME)



RN 206852-72-4 CAPLUS  
CN 1-Octadecanamine, compd. with  $\alpha$ -(2-carboxy-1,2,2-trifluoroethyl)-  
 $\omega$ -(1,1,2,2,3,3-hexafluoropropoxy)poly[oxy(1,1,2,2,3-pentafluoro-1,3-  
propanediyl)] (1:1) (9CI) (CA INDEX NAME)

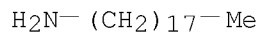
CM 1

CRN 206852-71-3  
CMF (C3 H F5 O)<sub>n</sub> C6 H3 F9 O3  
CCI PMS



CM 2

CRN 124-30-1  
CMF C18 H39 N



L5 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 1998:65786 CAPLUS  
DOCUMENT NUMBER: 128:106249  
ORIGINAL REFERENCE NO.: 128:20735a, 20738a  
TITLE: Cosmetic preparations containing fluorinated oils  
INVENTOR(S): Morita, Masamichi; Seki, Eiji; Kubo, Motonobu  
PATENT ASSIGNEE(S): Daikin Industries Ltd., Japan

SOURCE: PCT Int. Appl., 38 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9801104	A1	19980115	WO 1997-JP2343	19970707
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 938885	A1	19990901	EP 1997-929542	19970707
R: FR, GB, IT				
JP 3622204	B2	20050223	JP 1998-505056	19970707
US 6136331	A	20001024	US 1998-214153	19981229
PRIORITY APPLN. INFO.:			JP 1996-177837	A 19960708
			WO 1997-JP2343	W 19970707

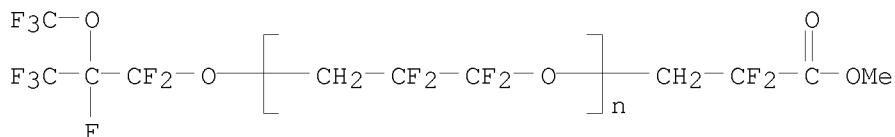
OTHER SOURCE(S): MARPAT 128:106249

AB Cosmetic preps. containing fluorinated oils e.g.  
 $\text{XO}[\text{C}(\text{CF}_3)\text{FCF}_2\text{O}]_h[\text{CH}_2\text{CF}_2\text{CF}_2\text{O}]_o\text{YCOOR}_3$  [ X = H, F, Cl, Br or fluorinated  
 C1-30 aliphatic group; Y = fluorinated C1-30 aliphatic group; h + o = 1-100] do  
 not impair the oil repellency of powdery materials treated with fluorine  
 compds. and are excellent in compatibility with the skin and inexpensive.  
 The fluorinated oils were used in manufacturing e.g. liquid foundations.

IT 201354-61-2P  
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)  
 (cosmetic preps. containing fluorinated oils)

RN 201354-61-2 CAPLUS

CN Poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)],  
 $\alpha$ -(2,2-difluoro-3-methoxy-3-oxopropyl)- $\omega$ -[1,1,2,3,3,3-  
 hexafluoro-2-(trifluoromethoxy)propoxy]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1991:64555 CAPLUS

DOCUMENT NUMBER: 114:64555

ORIGINAL REFERENCE NO.: 114:11053a,11056a

TITLE: Preparation of fluorine-containing cellulose  
 derivatives and their properties

AUTHOR(S): Muramoto, Mieko; Yoshioka, Mariko; Shiraishi, Nobuo

CORPORATE SOURCE: Fac. Agric., Kyoto Univ., Kyoto, 606, Japan

SOURCE: Sen'i Gakkaishi (1990), 46(11), 496-505

CODEN: SENG5; ISSN: 0037-9875

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Cellulose dissolved in a mixture of LiCl and AcNMe<sub>2</sub> was esterified with  
 4-perfluoro(3-isopropyl-4-methyl-2-penten-2-yloxy)phthalic anhydride (I)  
 using Et<sub>3</sub>N or pyridine as a catalyst. The products obtained with either  
 catalyst had the same degree of substitution (DS) of 2.1. Fluorine-containing  
 cellulose derivs. with DS of 0.16 and 0.36 were also prepared by  
 esterifications of Et cellulose (II) (DS = 2.5) with I and with

1,1,2,2,3-pentafluoropropoxy-2,2-difluoropropionyl fluoride (III), resp. Formation of these esters was confirmed by IR and <sup>1</sup>H- and <sup>19</sup>F-NMR spectra. Dynamic viscoelastic and thermoplastic characteristics of cellulose and II were changed considerably by their derivatization. Refractive indexes of the fluorine-containing cellulose derivs. were relatively low, 1.443-1.458. All the products were less hygroscopic than the starting materials. II, I-esterified II, and III-esterified II had low dielec. consts. and low dielec. loss tangents, so they could be regarded as good insulators.

IT 131552-78-8P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(preparation and properties of, degree of substitution effects in)

RN 131552-78-8 CAPLUS

CN Cellulose, 2,2-difluoro-3-(1,1,2,2,3-pentafluoropropoxy)propanoate, ethyl ether (9CI) (CA INDEX NAME)

CM 1

CRN 168677-68-7

CMF C6 H5 F7 O3

FCH<sub>2</sub>-CF<sub>2</sub>-CF<sub>2</sub>-O-CH<sub>2</sub>-CF<sub>2</sub>-CO<sub>2</sub>H

CM 2

CRN 9004-34-6

CMF Unspecified

CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 3

CRN 64-17-5

CMF C2 H6 O

H<sub>3</sub>C-CH<sub>2</sub>-OH

L5 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1991:45285 CAPLUS

DOCUMENT NUMBER: 114:45285

ORIGINAL REFERENCE NO.: 114:7861a,7864a

TITLE: Preparation of fluorine-containing cellulose derivatives

INVENTOR(S): Shiraishi, Nobuo; Kubo, Motonobu

PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan

SOURCE: Eur. Pat. Appl., 11 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 382208	A2	19900816	EP 1990-102483	19900208
EP 382208	A3	19910522		

R: DE, FR, GB

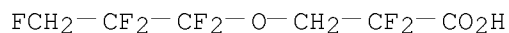
JP 02212501	A	19900823	JP 1989-31845	19890210
JP 02227401	A	19900910	JP 1989-47098	19890228
US 5187269	A	19930216	US 1990-476697	19900208
PRIORITY APPLN. INFO.:			JP 1989-31845	A 19890210
			JP 1989-47098	A 19890228

AB The title derivs. with high F content, having good water resistance, etc., are prepared by the reaction of cellulose with compds. such as 4-[2,2-bis(perfluoroisopropyl)-1-trifluoromethyl)ethenyloxy]phthalic anhydride (I), 4-[2,2-bis(perfluoroisopropyl)-1-(trifluoromethyl)ethenyloxy]benzoyl chloride, FCH<sub>2</sub>CF<sub>2</sub>CF<sub>2</sub>OCH<sub>2</sub>CF<sub>2</sub>COF, or FCOCF<sub>2</sub>CH<sub>2</sub>(OCF<sub>2</sub>CF<sub>2</sub>CH<sub>2</sub>)<sub>q</sub>F in the presence of an esterification catalyst. A solution of cellulose in AcNMe<sub>2</sub> containing LiCl and Et<sub>3</sub>N was treated with I (6 mol/mol cellulose units) to give a cellulose ester having degree of substitution 2.1 and F content 47.8%.

IT 131552-77-7P 131571-36-3P  
 RL: IMF (Industrial manufacture); PREP (Preparation)  
 (preparation of, with high fluorine content and water repellency)  
 RN 131552-77-7 CAPLUS  
 CN Cellulose, 2,2-difluoro-3-(1,1,2,2,3-pentafluoropropoxy)propanoate (9CI)  
 (CA INDEX NAME)

CM 1

CRN 168677-68-7  
 CMF C6 H5 F7 O3



CM 2

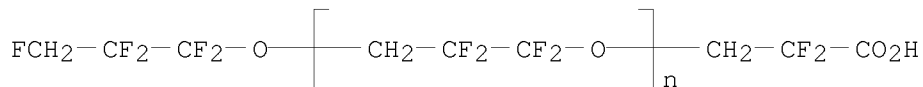
CRN 9004-34-6  
 CMF Unspecified  
 CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

RN 131571-36-3 CAPLUS  
 CN Cellulose, ester with  $\alpha$ -(2-carboxy-2,2-difluoroethyl)- $\omega$ -fluoropoly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)] (9CI) (CA INDEX NAME)

CM 1

CRN 104677-65-8  
 CMF (C3 H2 F4 O)<sub>n</sub> C6 H5 F7 O3  
 CCI PMS



CM 2

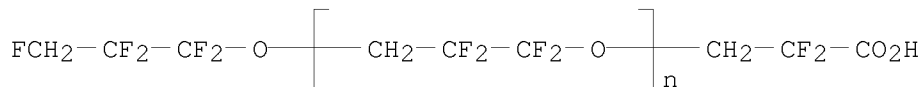
CRN 9004-34-6  
 CMF Unspecified  
 CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L5 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1986:554140 CAPLUS  
DOCUMENT NUMBER: 105:154140  
ORIGINAL REFERENCE NO.: 105:24849a,24852a  
TITLE: Fluorocarbon resin foams  
INVENTOR(S): Namba, Mutsusuke; Shirasaki, Osamu; Hirata, Tomohiko  
PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan  
SOURCE: Eur. Pat. Appl., 39 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 183022	A2	19860604	EP 1985-112857	19851010
EP 183022	A3	19861217		
R: DE, FR, GB, IT, NL				
JP 61091229	A	19860509	JP 1984-213664	19841011
JP 63020859	B	19880430		
JP 61162534	A	19860723	JP 1985-1866	19850109
JP 03002451	B	19910116		
JP 61171743	A	19860802	JP 1985-11491	19850123
JP 03002452	B	19910116		
EP 350969	A2	19900117	EP 1989-115501	19851010
EP 350969	A3	19900530		
R: DE, FR, GB, IT, NL				
PRIORITY APPLN. INFO.:			JP 1984-213664	A 19841011
			JP 1985-1866	A 19850109
			JP 1985-11491	A 19850123
			EP 1985-112857	P 19851010
AB	Undiscolored foams with uniform, fine cells, useful in covering elec. cables, are prepared by molding molten fluoropolymers in the presence of a depolymerizable polymers of (fluoro)olefins, polyethers, or C2-20 polycarbonyloxy compds and, optionally, nucleating agents. Thus, a mixture of 1 part BN (particle size 1-8 $\mu$ ) and 100 parts 82:18 C2F4-C3F6 copolymer was pelletized, mixed with 1.0 part Me methacrylate polymer (particle size <500 $\mu$ ) and extruded to a foam with expansion ratio 60%, uniform cells, and no discoloration.			
IT	104677-65-8 RL: USES (Uses) (in fluoropolymer foam manufacture)			
RN	104677-65-8 CAPLUS			
CN	Poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)], $\alpha$ -(2-carboxy-2,2-difluoroethyl)- $\omega$ -(1,1,2,2,3-pentafluoropropoxy)- (9CI) (CA INDEX NAME)			



L5 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1986:543602 CAPLUS  
DOCUMENT NUMBER: 105:143602  
ORIGINAL REFERENCE NO.: 105:23005a,23008a  
TITLE: Etchant composition  
INVENTOR(S): Fujii, Tsuneo; Deguchi, Takayuki; Tamaru, Shinji  
PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan

SOURCE: Eur. Pat. Appl., 25 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 182306	A2	19860528	EP 1985-114526	19851115
EP 182306	A3	19880427		
EP 182306	B1	19910724		
R: DE, FR, GB				
JP 61270381	A	19861129	JP 1985-259205	19851118
JP 63045461	B	19880909		
US 4725375	A	19880216	US 1986-908943	19860916

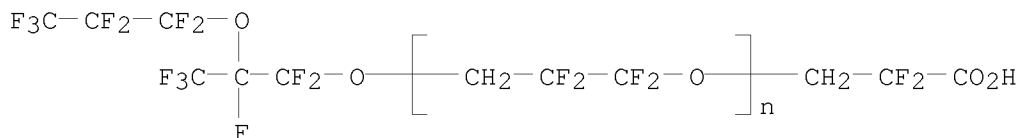
PRIORITY APPLN. INFO.:  
 JP 1984-242648 A 19841117  
 US 1985-798407 A2 19851115

AB An etchant for etching a Cr or Cr oxide layer (e.g., in the preparation of masks for transferring patterns to semiconductor wafers) is composed of a Ce(IV) salt, a nonionic or anionic F-containing surfactant, H<sub>2</sub>O, and, optionally, ≥1 of HClO<sub>4</sub>, HOAc, H<sub>2</sub>SO<sub>4</sub>, HNO<sub>3</sub>, HCl, and their salts. The etchant can homogeneously etch a resist pattern having both wide and narrow gaps on a Cr or Cr oxide layer.

IT 104335-43-5  
 RL: USES (Uses)  
 (etchant containing, for etching chromium or chromium oxide for mask preparation)

RN 104335-43-5 CAPLUS

CN Poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)],  
 α-(2-carboxy-2,2-difluoroethyl)-ω-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]-, potassium salt (9CI) (CA INDEX NAME)



● K

L5 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1986:69315 CAPLUS  
 DOCUMENT NUMBER: 104:69315  
 ORIGINAL REFERENCE NO.: 104:11113a,11116a  
 TITLE: Halogen-containing polyether  
 INVENTOR(S): Ohsaka, Yohnosuke; Tohzuka, Takashi; Takaki, Shoji  
 PATENT ASSIGNEE(S): Daikin Kogyo Co., Ltd., Japan  
 SOURCE: Eur. Pat. Appl., 44 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 148482	A2	19850717	EP 1984-116003	19841220

EP 148482	A3	19851227		
EP 148482	B1	19920325		
R: DE, FR, GB, IT, NL				
JP 60137928	A	19850722	JP 1983-251069	19831226
JP 63032812	B	19880701		
JP 60202122	A	19851012	JP 1984-58877	19840326
JP 63043419	B	19880830		
JP 61113616	A	19860531	JP 1984-235610	19841107
JP 01060170	B	19891221		
EP 415462	A1	19910306	EP 1990-119306	19841220
EP 415462	B1	19960508		
R: DE, FR, GB, IT, NL				
CA 1259443	A1	19890912	CA 1984-470995	19841224
SU 1806149	A3	19930330	SU 1984-3839427	19841225
US 4845268	A	19890704	US 1986-940191	19861209
US 4973742	A	19901127	US 1989-338036	19890414
RU 2073692	C1	19970220	RU 1991-4895780	19910626
RU 2107074	C1	19980320	RU 1992-5010940	19920226

PRIORITY APPLN. INFO.:

JP 1983-251069	A	19831226
JP 1984-58877	A	19840326
JP 1984-235610	A	19841107
US 1984-684345	A1	19841220
US 1986-940191	A3	19861209

AB Chemical and thermally stable halogen-containing polyethers useful as lubricants

are prepared by ring-opening polymerization of 2,2,3,3-tetrafluorooxetane (I) and

optional fluorination and/or chlorination. Thus,  $F(CH_2CF_2CF_2O)_nCH_2CF_2COF$  (II) was prepared by ring-opening polymerization of I in the presence of CsF.

A reactor containing 1.5 kg II was heated to 100°-120°. The II was irradiated with a Hg lamp as a mixture of F(g) and N(g) was fed to the reactor at 1 L/min for 100 h, and then N was fed at 2 L/min for 50 h. A viscous fluoropolymer (1.8 kg) having  $CF_2CF_2CF_2O$  repeating units, with kinematic viscosity at 40° (v) 65 cS, was formed. A rotary vacuum pump using the viscous fluoropolymer as lubricant was used in an apparatus to form O, H, and  $CCl_4$  plasmas. After 30 days operation the pump motor showed no current irregularity, and the lubricant still had v 65 cS.

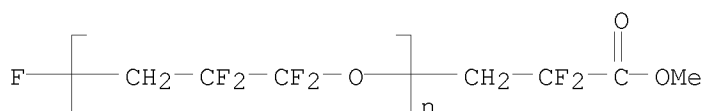
IT 99488-69-4P 99488-70-7P 99488-71-8P  
99488-72-9P

RL: PREP (Preparation)

(oligomeric, preparation of, chemical and thermally stable)

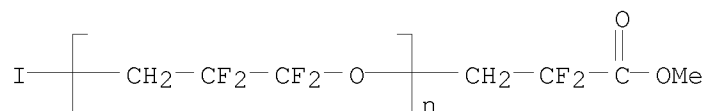
RN 99488-69-4 CAPLUS

CN Poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)],  
 $\alpha$ -(2,2-difluoro-3-methoxy-3-oxopropyl)- $\omega$ -fluoro- (9CI) (CA  
INDEX NAME)



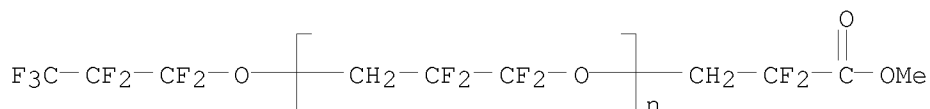
RN 99488-70-7 CAPLUS

CN Poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)],  
 $\alpha$ -(2,2-difluoro-3-methoxy-3-oxopropyl)- $\omega$ -iodo- (9CI) (CA  
INDEX NAME)



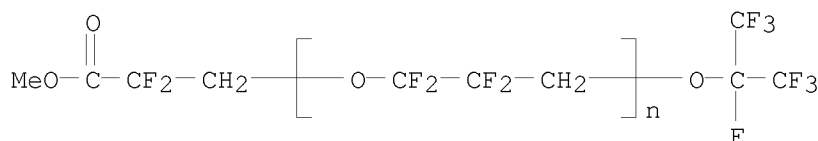
RN 99488-71-8 CAPLUS

CN Poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)],  
 $\alpha$ -(2,2-difluoro-3-methoxy-3-oxopropyl)- $\omega$ -(heptafluoropropoxy)-  
 (9CI) (CA INDEX NAME)



RN 99488-72-9 CAPLUS

CN Poly[oxy(1,1,2,2-tetrafluoro-1,3-propanediyl)],  
 $\alpha$ -(2,2-difluoro-3-methoxy-3-oxopropyl)- $\omega$ -[1,2,2,2-tetrafluoro-  
 1-(trifluoromethyl)ethoxy]- (9CI) (CA INDEX NAME)



L5 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1979:404937 CAPLUS

DOCUMENT NUMBER: 91:4937

ORIGINAL REFERENCE NO.: 91:923a,926a

TITLE: Study of polyfluoroacyl fluorides formed in the  
 electrochemical fluorination of methyl  
 3-methoxypropionate

AUTHOR(S): Berenblit, V. V.; Nikitin, V. A.; Sass, V. P.;  
 Senyushov, L. N.; Starobin, Yu. K.; Tsyganov, Yu. V.

CORPORATE SOURCE: USSR

SOURCE: Zhurnal Organicheskoi Khimii (1979), 15(2), 284-92  
 CODEN: ZORKAE; ISSN: 0514-7492

DOCUMENT TYPE: Journal

LANGUAGE: Russian

AB Products of electrochem. fluorination of MeOCH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>Me (polyfluoroacyl  
 fluorides) were investigated by condensing them with MeOH, followed by  
 rectification of the Me esters formed and study of them via <sup>19</sup>F and <sup>1</sup>H NMR  
 and mass spectra.

IT 70411-04-0P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

RN 70411-04-0 CAPLUS

CN Propanoic acid, 2,2,3-trifluoro-3-(trifluoromethoxy)-, methyl ester (CA  
 INDEX NAME)

